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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/090,281	03/04/2002	Bruno C. Nadd	IR-1870	6573
2352	7590 09/02/2003		•	
OSTROLENK FABER GERB & SOFFEN			EXAMINER	
	TE OF THE AMERICAS NY 100368403		BERHANE, ADOLF D	
			ART UNIT	PAPER NUMBER
			2838	
			DATE MAILED: 09/02/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

		M -				
·	Application N .	Applicant(s)				
Offic Action Summary	10/090,281	NADD ET AL.				
One Action Summary	Examiner	Art Unit				
The MAIL INC DATE of this communication and	Adolf Berhane	2838				
The MAILING DATE of this communication app Period for Reply	lears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on 22.	<u>luly 2003</u> .					
2a) ☐ This action is FINAL . 2b) ☑ Th	is action is non-final.					
3) Since this application is in condition for allows closed in accordance with the practice under Disp sition of Claims						
4)⊠ Claim(s) <u>1-7</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-7</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. § 119(a	a)-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:		, , , , ,				
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
Copies of the certified copies of the prio application from the International Bu See the attached detailed Office action for a list	reau (PCT Rule 17.2(a)).	· ·				
14) Acknowledgment is made of a claim for domesti	•					
a) The translation of the foreign language pro	ovisional application has been rec	eived.				
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal I	y (PTO-413) Paper No(s) Patent Application (PTO-152)				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hale et al. (5,343,382) in view of Ashley et al. (5,245,261).

Hale et al. disclose the claimed invention except for conductive plate and insulation. Hate et al. disclose an adaptive current control circuit in Fig. 1. DC motor 20, MOSFET's 22, 24, 26 and 28 in a full H-bridge configuration. Ashley et al. teach for the use of conductive plate and insulation for transistors in Figs. 2-6. It would have been obvious to one having ordinary skill in the art at the time of the invention to provide a conductive plate and insulation as taught by Ashley et al. in Hale et al. circuit inorder to protect the circuit from heats-up due to the heat conduction form the load.

3. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baker (6,445,530) in view of Ashley et al. (5,245,261).

Baker discloses the claimed invention except for conductive plate and insulation. Baker discloses a class AB H-bridge using current sensing MOSFETS in Fig. 10. DC load 152, MOSFET's 200 in a full H-bridge configuration and Driver circuit 206. Ashley et al. teach for the use of conductive plate and insulation for transistors in Figs. 2-6. It

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would have been obvious to one having ordinary skill in the art at the time of the invention to provide a conductive plate and insulation as taught by Ashley et al. in Baker circuit inorder to protect the circuit from heats-up due to the heat conduction form the load.

Response to Arguments

4. Applicant's arguments with respect to claims 1-7 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adolf Berhane whose telephone number is 703-308-3299. The examiner can normally be reached on 10-4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on 703-308-1680. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0658.

Adolf Berhane Primary Examiner Art Unit 2838